

INTERDEPARTMENTAL

MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE, MASS. 02139

from the office of Information Processing Services

July 29, 1970

To: Multics Short-Range Planning Group

From: J. M. Grochow

Subject: Multics System Reliability Index

The first week's MSRI has been computed as follows:

Software 1954	Hardware 364
------------------	-----------------

The "other" index was not computed.

The lists of bugs have been provided by Judy Spall and J. Grochow. It is assumed that there may be a need for re-evaluation of this week's numbers and revised numbers will be provided next week.

The software bug list is available for your perusal on-line:

> udd > Sys Lib > Spall > softbug . info

A copy of the hardware list is available from Grochow or Ryan.

INTERDEPARTMENTAL

MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE, MASS. 02139

from the office of Information Processing Services

August 5, 1970

To: Multics Short-Range Planning Group

From: J. M. Grochow

Subject: Multics System Reliability Index
July 27 - August 2, 1970

The MSRI for the week of July 27th - August 2nd is

Software 1414

Hardware 504

Other 8

This compares with the previous week's adjusted MSRI as follows:

Software 1509 ^a

Hardware 364

Other (N. C.)

-95

+140

^a = adjusted

N. C. = not calculated

I hope the MSRI is not oscillatory!

The software bug list is available on-line:

>udd>Sys Lib > Spall > softbug. info

The hardware bug list is available from Grochow or Ryan.

INTERDEPARTMENTAL

MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE, MASS. 02139

from the office of Information Processing Services

August 12, 1970

To: Multics Administrative Distribution

From: J. J. McManus

Subject: Multics System Reliability Index

A summary of all components (hardware, software and other) and total MSRI is given below. Numbers with an asterisk (*) have been revised since the last publication of these numbers. The decrease of the software component is probably due more to weeding the original bug list than to improved software reliability.

<u>Date</u> ⁽¹⁾	<u>MSRI(H)</u>	<u>MSRI(S)</u>	<u>MSRI(O)</u>	<u>MSRI</u>
7/18 - 7/24	364	1320*	-	1684
7/24 - 7/31	504	1253*	8	1765
8/1 - 8/7	120	976	0	1096

⁽¹⁾ Note that the "MSRI week" is now Saturday through Friday to correspond to the "black-white charts" prepared by Roger Roach.



Massachusetts Institute of Technology
Information Processing Center
Cambridge, Massachusetts 02139

To: Multics Short-Range Planning Group
From: Leo J. Ryan
Date: 18 August 70
Subject: Multics Hardware MSRI - Week of August 8th - August 14th

<u>Date</u>	<u>Time</u>	<u>Cause</u>	<u>Type</u>	<u>Points</u>
August 10	2302	Drum "B"	I	8
August 11	2345	Drum "B"	I	16
August 12	0000	Drum "B" Faulty PWB	III	44
			Total	68

Multics Other MSRI - Week of August 8th - August 14th

<u>Date</u>	<u>Time</u>	<u>Cause</u>	<u>Type</u>	<u>Points</u>
August 11	1400	Handler M	II	4
August 11	1430	Handler L	II	2
August 12	1115	Operator	I	8
			Total	14

INTERDEPARTMENTAL

MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE, MASS. 02139

from the office of Information Processing Services

August 18, 1970

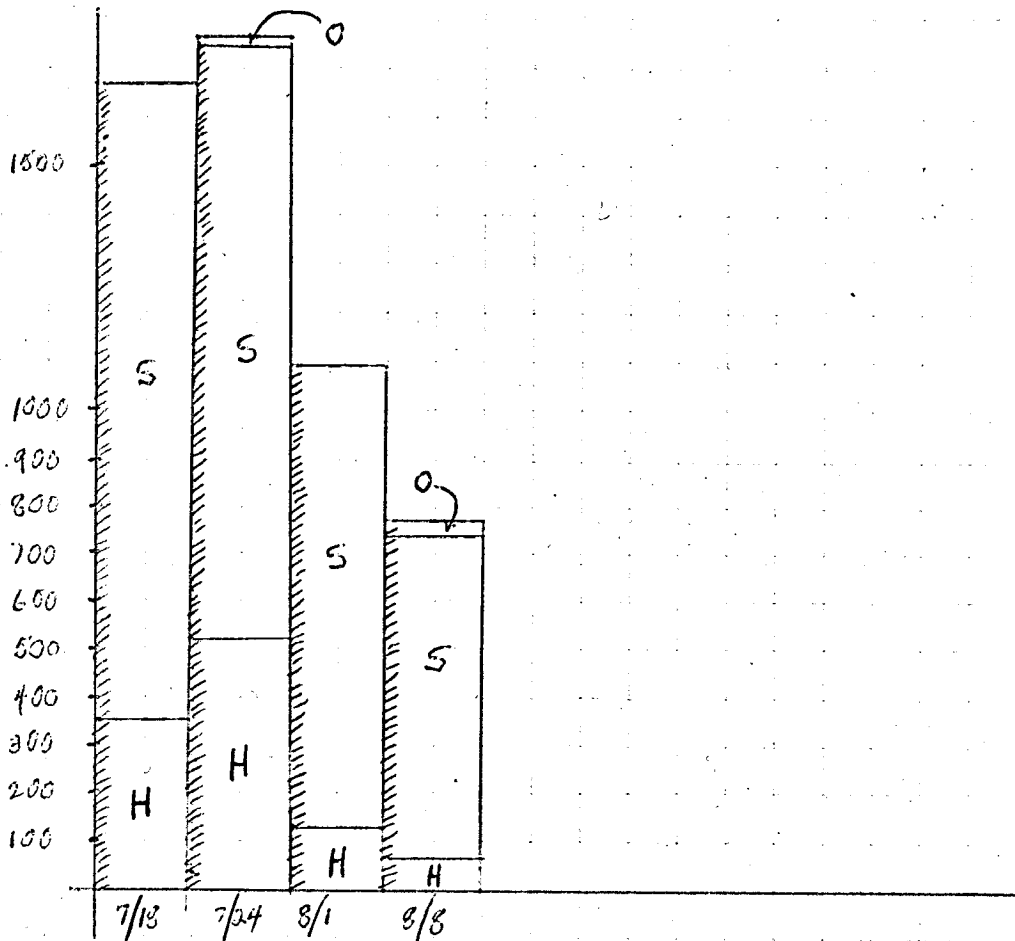
To: Multics Administrative Distribution

From: J. M. Grochow

Subject: Multics System Reliability Index

A summary of all components (hardware, software and other) and total MSRI is given below.

<u>Date</u>	<u>MSRI(H)</u>	<u>MSRI(S)</u>	<u>MSRI(O)</u>	<u>MSRI</u>
7/18 - 7/24	364	1320	-	1684
7/24 - 7/31	504	1253	8	1765
8/1 - 8/7	120	976	0	1096
8/8 - 8/14	68	707	14	789



INTERDEPARTMENTAL

MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE, MASS. 02139

from the office of Information Processing Services

August 24, 1970

To: Multics Administrative Distribution

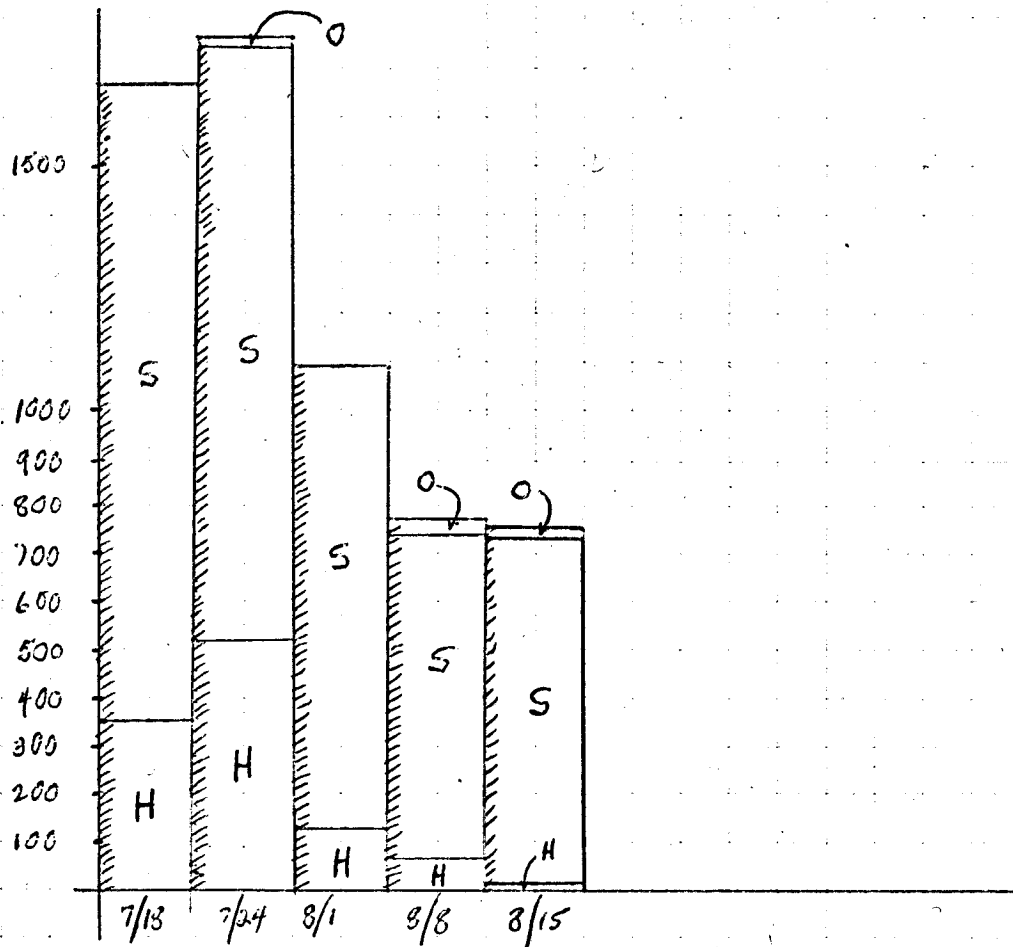
From: J M Grochow

Subject: Multics System Reliability Index

A summary of all components (hardware, software and other) and total MSRI is given below:

<u>Date</u>	<u>MSRI(H)</u>	<u>MSRI(S)</u>	<u>MSRI(O)</u>	<u>MSRI</u>
8/1 - 8/7	120	976	0	1096
8/8 - 8/14	68	707	14	789
8/15 - 8/21	8	732	16	756

Software is by far our biggest problem! When are we going to do something about it?



INTERDEPARTMENTAL

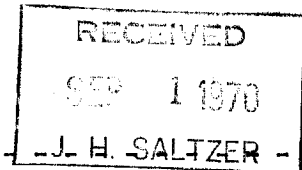
MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE, MASS. 02139

from the office of Information Processing Services

August 31, 1970

To: Multics Short-Range Planning Group

From: L. J. Ryan

Subject: Multics Hardware MSRI
Week of August 22 - August 28

<u>Date</u>	<u>Time</u>	<u>Length</u>	<u>Cause</u>	<u>Type</u>	<u>Points</u>
8/22	02:40	12 hours	MEM-D Parity	I and III	52
8/22	03:00	14 hours	GI0C-A	II	448
8/24	13:50	1 hour	Parity-MEM-C	I	8
8/24	14:55	1 hour	Parity-MEM-D	I	8
8/24	21:00	1 hour	D-270 check character	I	8
8/25	00:00	13 hours	Parity-MEM-C	I and III	56
8/25	12:00	1 hour	Parity Drum A	I	8
8/25	19:00	1 hour	Parity-MEM-D	I	8
8/25	22:00	2 hours	Parity-MEM-D	I	16
8/26	00:00	2 hours	Parity-MEM-D	III	8
8/26	11:30	1 hour	Parity-MEM-D	I	8
8/27	08:30	1 hour	D-270-Unit 2	III	4
8/28		25 minutes	MEM-C Parity		<u>32</u>
				<u>Total</u>	664

INTERDEPARTMENTAL

MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE, MASS. 02139

from the office of Information Processing Services

RECEIVED
SEP 2 1970
J. H. SALTZER

September 1, 1970

To: Multics Administrative Distribution

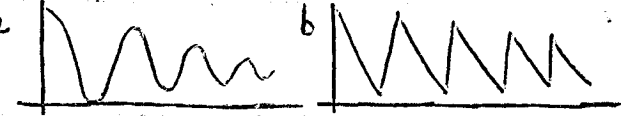
From: J. M. Grochow

Subject: Multics System Reliability Index

A summary of all components (hardware, software, other) and total MSRI is given below:

<u>Date</u>	<u>MSRI(H)</u>	<u>MSRI(S)</u>	<u>MSRI(O)</u>	<u>MSRI</u>
Average 8/1 - 8/21	65	805	10	880
8/22 - 8/28	728	1,081	8	1,817

A major hardware problem this week: GIOC - 14 hours (448 points).
Major software problems this week: Same as usual (lots of little things).

In July, I predicted a MSRI of (a)  ^a
I now change that to: (b)

